

## Claims

1. An electric guitar including
  - (a) a hollow acoustic body to amplify sound;
  - (b) a plurality of strings mounted on the hollow acoustic body;
  - (c) a fingerboard attached to the hollow acoustic body;
  - (d) air in the hollow acoustic body;
  - (e) at least one sound speaker mounted in the hollow acoustic body;
  - (f) means operatively associated with the strings and the speaker to cause sound to
    - (i) emanate from the speaker when the strings are played, and
    - (ii) vibrate and resonate the hollow acoustic body and air in the hollow acoustic body and emanate outwardly from the hollow acoustic body.
2. A method for producing sound comprising a plurality of notes of a guitar in the range of 80 to 1318 Hz, comprising the steps of:
  - (a) providing an acoustic frame including
    - (i) a hollow acoustic body to amplify sound,
    - (ii) air in the hollow acoustic body, and
    - (iii) a fingerboard attached to the acoustic body;
  - (b) mounting strings on the hollow acoustic body;
  - (c) mounting a speaker inside the hollow acoustic body;

- (d) mounting on the hollow acoustic body sound production means operatively associated with the strings and the speaker to cause sound simultaneously to
- (i) emanate from the speaker when the strings are played, and
  - (ii) vibrate and resonate the hollow acoustic body and the air in the hollow acoustic body and emanate outwardly from the hollow acoustic body; and,
- (e) playing the strings to cause the sound production means to cause sound simultaneously to emanate from the speaker and to vibrate and resonate the hollow acoustic body and the air in the hollow acoustic body.